

Application Serial No.: 10/658,234
Attorney Docket No.: 0140115

In the Specification:

- Please amend the paragraph starting on page 4, line 2, as follows:

The present invention is directed to a quiescent current control circuit for high-power amplifiers. In one exemplary embodiment, the control circuit controls a bias circuit coupled to an amplifier, such as a high-power CDMA (Code Division Multiple Access) amplifier. The bias circuit includes a first bias transistor, a second bias transistor, and a third bias transistor, wherein a base of the amplifier transistor is coupled to an emitter of the second bias transistor, a base of the second bias transistor is coupled to a base of the first bias transistor and to a collector of the third bias transistor, and a base of the third bias transistor is coupled to an emitter of the first bias transistor and to the bias control circuit at a first node.

- Please amend the paragraph starting on page 13, line 15, as follows:

In Figure 3, Vcont 356, node 326, ground 332, bias control transistor 340 and resistors 342, 344, ~~336~~ 346 and 348 respectively correspond to Vcont 156, node 126, ground 132, bias control transistor 140 and resistors 142, 144, ~~136~~ 146 and 148 in Figure 1. Also shown in Figure 3, temperature compensation circuit 350 is connected at node 360 to the base of bias control transistor 340. Temperature compensation circuit 350 comprises resistor 352 and diodes 353 and 355. Resistor 352 is connected across node 360 and an anode of diode 353. A cathode of diode 353 is connected to an anode of diode 355, and a cathode of diode 355 is connected to a reference voltage, such as ground

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332. ~~Diode~~ Diodes 353 and 355 may, for example, be Schottky diodes, each diode 353 and 355 having a turn on forward bias voltage of approximately 0.5 V. In this way, diodes 353 and 355 have a functionally equivalent turn on forward bias voltage (i.e., measured across the anode of diode 353 and the cathode of diode 355) of approximately 1 to 1.2 V. Thus, operation of control circuit 306 operates in substantially the same manner described above in conjunction with control circuit 106 of Figure 1.